**COMPLETE ALL WORK IN NOTEBOOK. FAILURE TO DO SO WILL RESULT IN A LASALLE**

CWHW 93: Multiply/Factor Polynomials

Geometry

Due: Thurs, May 25th

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| **Example 1:** | | **Example 2:** |
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| **Example 3:**   * 1. What is the GCF of the terms ?   2. Factor the GCF out of the polynomial. | | |
| **Example 4:**   1. What is the factored form of ? | | |
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| 1. A rectangular wooden frame has side lengths . The rectangular opening for a picture has side lengths . What is the area of the wooden part of the frame? Write your answer in factored form. Draw a labeled picture before solving this problem. | | |
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| 1. Copy the following notes in your notebook:   You can write some trinomials of the form as the product of two binomials.  Example: = | | |
| 1. What do you notice about *b* (the coefficient of the trinomial’s *x-*term) and *c* (the trinomial’s constant term)? | 1. What do you notice about *b* (the coefficient of the trinomial’s *x-*term) and *c* (the trinomial’s constant term)? | |
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| 1. Write a simplified polynomial expression that represents the area of a circle, whose radius equals   feet. | | |
| Write an expression that represents the perimeter, in feet, of the region enclosed by the rope. | | |

Exit Ticket:

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| 1. Factor out the GCF: | 2. Expand the following polynomial: |

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